

Sujay Kumar

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Summary

Computer Science student specializing in DevOps, with expertise in containerization (Docker), CI/CD pipelines (GitHub Actions), and cloud-native workflows (AWS, GCP). Passionate about automating infrastructure and optimizing development pipelines; write technical blogs at sujay.is-a.dev/blog.

Education

KIIT University

B.Tech, Computer Science and Engineering

Bhubaneswar, Odisha

Expected Sep 2026, CGPA: 8.11/10

Skills

Programming: C, Java, JavaScript, TypeScript, Python

Web Development: HTML5, CSS3, Tailwind CSS, React.js, Next.js, Node.js, Express.js, FastAPI, RESTful APIs

DevOps & Cloud: Git, GitHub Actions, Docker, Kubernetes, AWS (EC2), Google Cloud Platform, Cloudflare

Databases & Tools: MongoDB, PostgreSQL, Firebase, Supabase, Prisma ORM, Postman

Professional Experience

IIT Kharagpur | *Research Collaborator*

April 2025 – Jun 2025

- Collaborated with PhD students to develop a proxy index for renewable energy market trends using a data pipeline.
- Utilized generative AI to create signaling keywords for scraping the Scopus database, exported results to Excel, and visualized trends.

KIIT E-Cell | *Full Stack Developer*

Sep 2024 – Present

- Built a course dashboard using the MERN Stack and integrated Google Sheets API for real-time data updates.
- Led design and deployment of the organization's website, resulting in increased student engagement and visibility.
- Organized an internal hackathon, managing planning, logistics, and execution for 50+ participants.

AGT Pvt Ltd | *Full Stack Developer*

Dec 2024 – April 2025

- Developed responsive UI components for photonBoxx to improve mobile performance. [Contribution Link](#)
- Resolved critical UI bugs, significantly improving application stability and user experience.
- Optimized backend operations for HobbyCue's admin panel, streamlining workflows. [Contribution Link](#)

Key Projects

ApplySmart (<https://www.applysmart.me>) Next.js, Express, Prisma, MongoDB, AWS, Whisper, OpenAI API | 2025

- Built a career support platform offering AI-powered resume analysis, job application automation, and interview prep tools.
- Implemented an ATS scoring system with chatbot suggestions to improve alignment between resumes and job descriptions.
- Automated form filling with smart cover letter generation, powered by custom Speech-to-Text integration.

Watch2Learn (<https://www.watch2learn.app>)

Next.js, FastAPI, Python, Docker | 2025

- Developed a YouTube-based study tool that extracts and summarizes transcripts using generative AI for concise learning.
- Implemented a markdown-powered formatting engine to improve video summarization accuracy.
- Enabled quiz generation from summaries with persistent history, enhancing user retention tracking.

Generate Folder Tree (VS Code Extension) [[Marketplace](#)]

JavaScript, Node.js, VS Code API | 2025

- Developed a VS Code extension that programmatically generates directory and file structures from markdown-style or indented text input.
- Enabled rapid scaffolding of projects by parsing multiple tree syntaxes
- Published to VS Code Marketplace with growing adoption; praised on developer forums for simplifying project bootstrapping.

Extracurricular Achievements

National Basketball Player | *Competitive Athlete*

2018 – Present

- Represented state and college in national basketball tournaments, demonstrating leadership and teamwork.

Smart India Hackathon 2024 | *National-Level Competitor*

2024

- Secured Top 50 position among college teams, showcasing problem-solving and collaborative innovation.